Regional Transportation Model Phase II

2030 Model Presentation to the Planning Commission February 15th, 2006

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Agenda

- Phase I Review
 - Approved Feb. 2nd by Officials Committee
- Phase II-Work In Progress
 - 2030 Model Overview
 - 2030 No-Build Network
 - 2030 Land Use
 - 2004 Roadway Network
 - 2030 w/2025 Comp Plan
 - 2030 Land Use
 - 2025 Approved Comp Plan Road Network
- Questions?













Trip Assignment

- Level of Service (LOS)
 - LOS mileage summary table based on V/C ratio
 - LOS mileage summary table based on percent reduction in actual speed
 - Screenline results summary table
 - Functional class summary table for VMT, VHT, Average Speed
 - Area type summary table for VMT, VHT, Average Speed Count Vs Flow (Assigned volumes) summary statistics for each functional class type Turn Movements Table

TABLE 23. LEVEL OF SERVICE – PERCENT REDUCTION IN SPEED USED IN LINCOLN MPO MODEL

	Percent Reduction
Level of Service	in Posted Speed
A	0
В	1-7
C	8-15
D	16-32
Е	33-48
F	>48

Level of Service	MPH
А	35
В	34-33
С	33-30
D	30-24
Е	24-18
F	<18













Trip Generation

Lincoln MPO Total Person Trips

TARLE 16	TOTAI	TRIPS RV	PURPOSE FO	OR RASE	YEAR 2004
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Trip Purpose	Lincoln MPO	Percentage of Trips - Lincoln MPO	Percentage of Trips -West North Central*
Home-based Work	204,025	13.8%	10.9%
Home-based Shopping	302,640	20.5%	21.8%
Home-based Social/Recreational	168,871	11.4%	13.8%
Other Home-based	343,006	23.2%	20.5%
Not Home-based	459,816	31.1%	33.0%
TOTAL	1,478,358	100.0%	100.0%

*Source: National Household Travel Survey(2001), U.S. Department of Transportation, Bureau of Transportation Statistics

2030 - 2,396,956 Person Trips/Day











Mode Split

Non Home Based

Non-Auto Trips

TABLE 18. PERCENTAGE OF NON-AUTO MODE TRIPS

Trip Purpose	Percentage of Non-Auto
	Mode Trips
Home Based Work	6.0%
Home Based Shop	0.7%
Home Based Recreational	3.4%
Home Based Other	TABLE

TABLE 19. NON-AUTO TRIPS BY PURPOSE

Trip Purpose	Daily Non-Auto Trips	Percentage of Total Non-Auto Trips
Home-based Work	12,242	48.0%
Home-based Shopping	2,118	8.3%
Home-based Social/Recreational	5,742	22.5%
Other Home-based	3,087	12.2%
Non Home-based	2,299	9.0%
TOTAL	25,488	100.0%

2030 - 40,478 Person Trips/Day













Mode Split

Vehicle Occupancy

TABLE 20. VEHICLE OCCUPANCY RATES

Trip Purpose	Lincoln MPO Average Vehicle Occupancy (Persons)	West North Central*
Home-based Work	1.18	1.11
Home-based Shopping	1.84	1.84
Home-based Social/Recreational	1.81	1.81
Other Home-based	1.75	1.75
Non Home-based	1.70	1.70
All	1.65	1.65

*Source: National Household Travel Survey(2001), U.S. Department of Transportation, Bureau of Transportation Statistics













Mode Split

Vehicle Trips by Purpose

TABLE 21. VEHICLE TRIPS BY PURPOSE

Trip Purpose	Daily Vehicle Trips - Lincoln MPO	Percentage of Trips - Lincoln MPO	Percentage of Trips -West North Central*
Home-based Work	179,026	19.7%	16.1%
Home-based Shopping	164,946	18.1%	22.7%
Home-based Social/Recreational	91,684	10.1%	9.8%
Other Home-based	206,283	22.7%	17.5%
Non Home-based	268,652	29.5%	33.9%
TOTAL	910,591	100.0%	100.0%

^{*}Source: National Household Travel Survey(2001), U.S. Department of Transportation, Bureau of Transportation Statistics

2030 - 1,481,717 Vehicle Trips/Day











Questions?













Sketch Plans

- 2025 Comp Plan Network
- 2002 CPC LOS Network
- Minimal Impact Projects w/o Widening
- Minimal Impact Projects w/Widening
- 2030 LRTP Working Concept



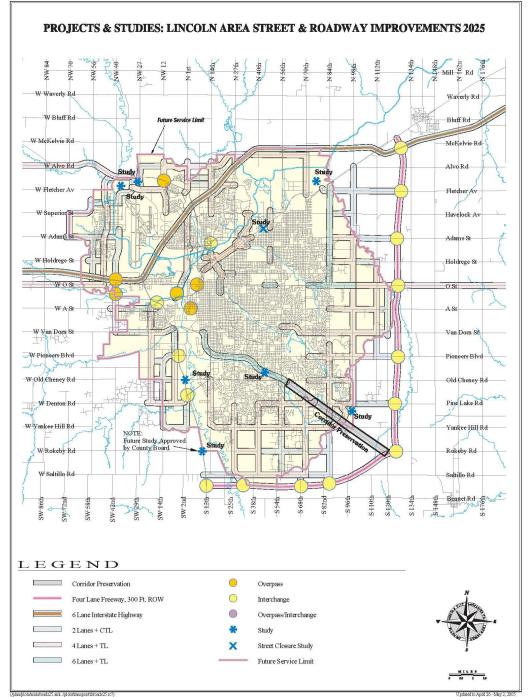
















LEVEL OF SERVICE FOR CPC LONG RANGE STREET PLAN



